

Preparation:

- Disconnect the negative battery terminal. Park the vehicle on level ground and set the emergency brake.
- We recommend reading through the installation instructions in whole before performing the work.
- Estimated Installation Time: **2 Hours**
This installation requires 2 people for best results

You will need the following tools:

- Ratchet
- Utility Knife
- 18mm Socket
- 9/16" Socket & Wrench

Included in Kit:

- 8 - Hex Head Bolts (3/8-16 x 1")
- 8 - Nylon Lock Nuts (3/8"-16)
- 16 - Flat Washers (3/8")

Removal:

1. From underneath the front driver side of the vehicle, unplug the main fog light and parking sensor harnesses. (Fig A)

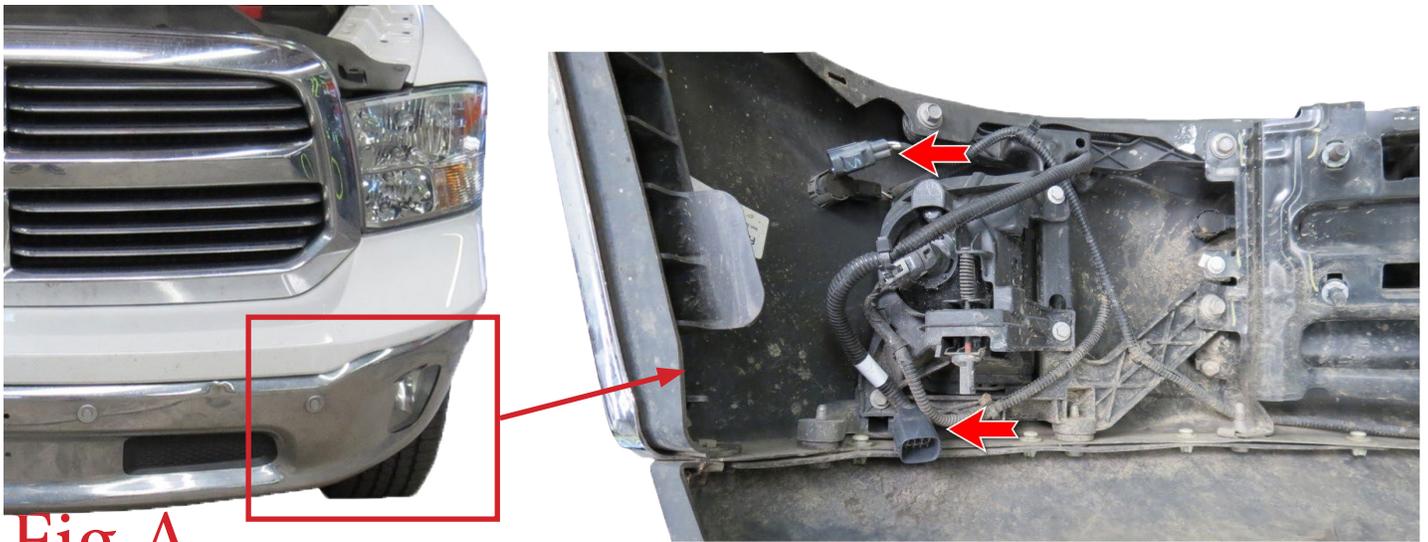


Fig A

2. From underneath the truck, remove the 18mm Nuts (3 per side) holding the bumper to the frame rails. Then, remove the bumper from the vehicle. (Fig B)

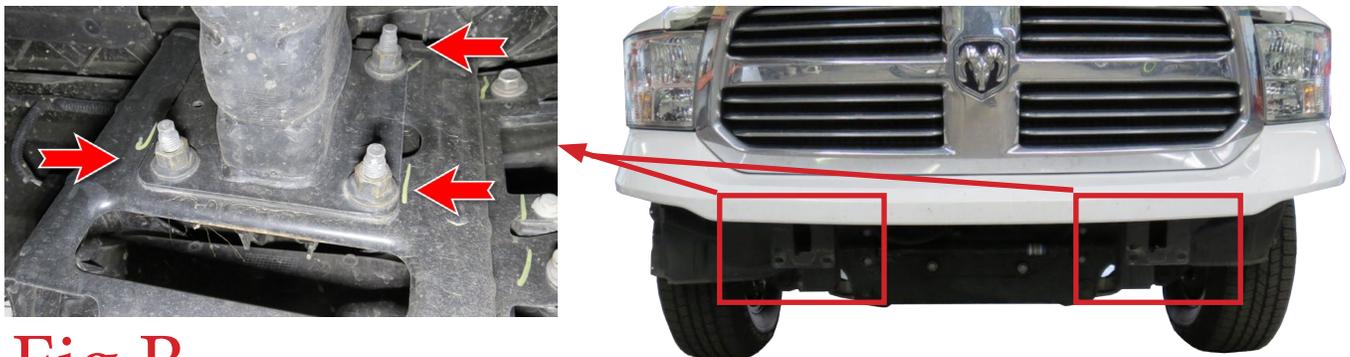
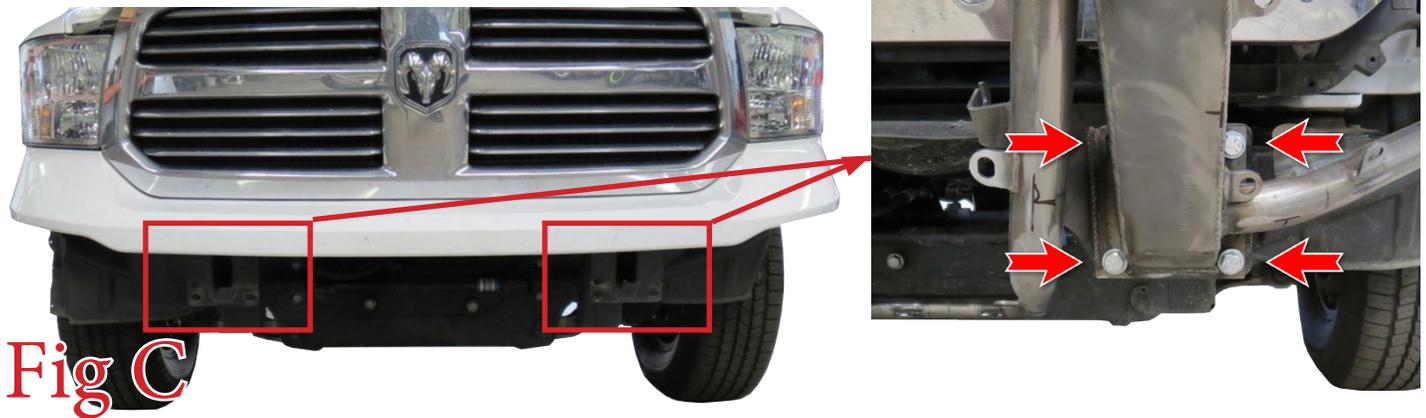


Fig B

Installation:

3. If you have any lights you would like to install on your bumper, now would be a good time to do that. Please follow the light manufacturer's guides for mounting and wiring information.
4. Line the mounting holes on the bumper mounting plates up with the mounting holes on your vehicle's frame horns. Then, secure the bumper to the frame horns using the supplied 3/8" Bolts (x8), 3/8" Washers (x16), and 3/8" Lock Nuts (x8). Leave these finger tight for now. (Fig C)



5. Line the bumper up so that it is centered left to right and sits straight in relation to the lower line of the grill and headlights. (This is where a second person might be necessary) Torque the bolts to 30 foot pounds.
6. Using a utility knife, trim your inner fender liners to preference. We suggest following a line similar to what is shown in (Fig D).
7. Stand back and enjoy your new ADD Lite Front Bumper.
8. Check and retighten, if needed, all mounting bolts after 100 miles and periodically thereafter.

